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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/615,150	07/08/2003	Oleg S. Fishman	1946-004 US	8234
31855	7590	10/27/2005	EXAMINER	
PHILIP O. POST INDEL, INC. PO BOX 157 RANCOCAS, NJ 08073			VAN, QUANG T	
			ART UNIT	PAPER NUMBER
			3742	

DATE MAILED: 10/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/615,150	<b>Applicant(s)</b> FISHMAN ET AL.	
	<b>Examiner</b> Quang T. Van	<b>Art Unit</b> 3742	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 07 September 2005.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 14, 15, 17 and 19-29 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 20-29 is/are allowed.
- 6) ☒ Claim(s) 14, 15, 17 and 19 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07 September 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some    \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 14-15, 17, 19 are rejected under 35 U.S.C. 102(b) as being anticipated by Bennett et al (US 4,413,406). Bennett discloses a processing amorphous metal into packets by bonding with low melting point material comprising a means for bringing (Figure 1 does not show, but inherently has a mean for bringing) the bonded metal sheet (12) and the base metal sheet (12) adjacent to each other to form an adjacently disposed base-bond sheet; and one or more induction coils (29) through which the adjacently disposed base-bond sheet passes to inductively heat at least the base metal sheet (12) to bond the bond metal sheet (12) to the base metal sheet (12) to form a bonded sheet (26).

3. Claims 14-15 are rejected under 35 U.S.C. 102(e) as being anticipated by Steiner et al (US 6,770,380). Steiner discloses a resin/copper/metal laminate and method producing the same comprising a means (62) for bringing the bonded sheet (26, 32) and the base sheet (22, 40) adjacent to each other to form an adjacently disposed base-bond sheet (20); and one or more induction coils (72) through which the adjacently disposed base-bond sheet passes to inductively heat at least the base sheet (22, 40) to bond the bond sheet (26,32) to the base sheet (22,40) to form a bonded sheet (20).

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4. Claim 14 is rejected under 35 U.S.C. 102(b) as being anticipated by Balla (US 3,941,643). Balla discloses a method for the manufacture of laminated packing material comprising a means (4) for bringing the bonded sheet (3) and the base sheet (1) adjacent to each other to form an adjacently disposed base-bond sheet; and one or more induction coils (6) through which the adjacently disposed base-bond sheet passes to inductively heat at least the base sheet (1) to bond the bond sheet (3) to the base sheet (1) to form a bonded sheet (the Figure).

5. Claim 14 is rejected under 35 U.S.C. 102(b) as being anticipated by Adcock et al (US 3,556,887). Adcock discloses production of laminates comprising a means (5) for bringing the bonded sheet (3) and the base sheet (1) adjacent to each other to form an adjacently disposed base-bond sheet (8); and one or more induction coils (6) through which the adjacently disposed base-bond sheet (8) passes to inductively heat at least the base sheet (1) to bond the bond sheet (3) to the base sheet (1) to form a bonded sheet (8).

NOTE: Since claim 14 uses means plus function format, it gives rise to the interpretation under 35 USC 112, par. 6 in light of and consistent with the written description of the invention in the application.

Further, "means for bringing the bonded sheet and the base sheet adjacent to each other to form an adjacently disposed base-bond sheet" recited in claim 4 is a roller. As long as "means for bringing" of Steiner et al , Balla, and Adcock are capable to perform the same function that will meet the claimed limitation. Since this is an

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apparatus claim, there is no patentable weight is given to the material of the bonded sheet and the base sheet.

***Claim Rejections - 35 USC § 103***

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 17 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Steiner et al (US 6,770,380) in view of Chapman (US 2367715). Steiner discloses substantially all features of the claimed invention except the bonded sheet and the base sheet are both a metal sheet. Chapman discloses, figure 6, a bonded sheet (83) and a base sheet (85) are both a metal sheet. It would have been obvious to one having ordinary skill in the art at the time the invention was made to utilize in Steiner a bonded sheet and a base sheet are both a metal sheet as taught by Chapman in order to bond two metal sheets together.

8. Claims 20-29 are allowed.

9. The following is a statement of reasons for the indication of allowable subject matter: the prior art of record does not show or suggest combination of a means for bringing the first bond sheet of the first adjacently disposed base-bond sheet adjacent to the second bond sheet of the second adjacently disposed base-bond sheet to form a back-to-back layered sheeting arrangement; and one or more induction coils through which the back-to-back layered sheeting arrangement passes to inductively heat at

least the first and the second base sheets to bond the first bond sheet to the first base sheet and form a first bonded sheet, and to bond the second bond sheet to the second base sheet to form a second bonded sheet as recited in claims 20-29.

***Response to Amendment***

10. Applicant's arguments with respect to claims 14-15, 17, 19-29 have been considered but are moot in view of the new ground(s) of rejection.

11. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quang T. Van whose telephone number is 571-272-4789. The examiner can normally be reached on 8:00Am 7:00Pm M-Th.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robin Evans can be reached on 571-272-4777. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



QV

October 19, 2005



Quang T Van  
Primary Examiner  
Art Unit 3742